

# Engineering is Out of This World!

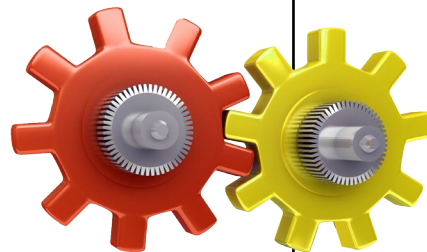
## Mechanical Engineering



NASA is developing a new rocket called the Space Launch System, or SLS. The SLS will be able to carry astronauts and materials, known as payloads. **Mechanical engineers** are helping to build the SLS.

**Mechanical engineers** design, develop, build, and test mechanical devices, including tools, engines, and machines.

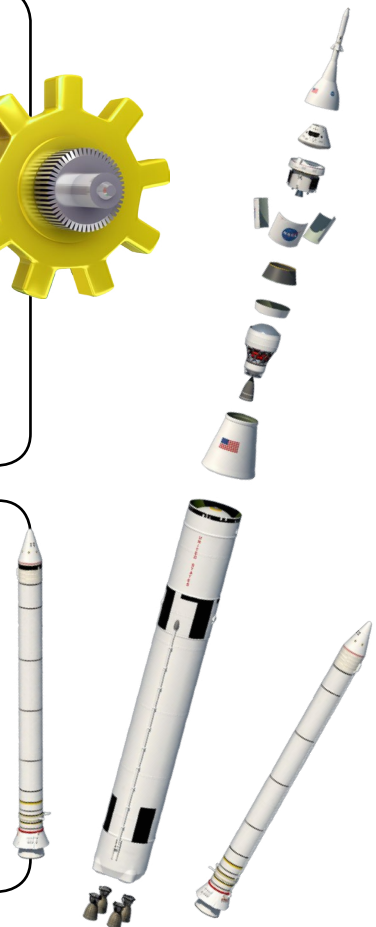
NASA's SLS rocket needs mechanical engineers to work on the many different components of the rocket!



Look at the image of the SLS rocket.

**What parts of the rocket might have been designed by a mechanical engineer?**

\_\_\_\_\_



NAME: \_\_\_\_\_

## Did you know?!

One component NASA engineers designed is used to steer the rocket. This part moves the nozzle of the rocket engine to point the SLS in the right direction!

Power up! Mechanical engineers at NASA developed the first cordless power tools.



**Why did the tools need to be cordless?**

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**What cordless tools do you have at home?**

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Look around your classroom.

**List 3 different machines that you see.**

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**What type of machine would you like to design? Think hard! On the space below, describe the machine that you designed. Be sure to explain what the machine will do.**

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**Draw a picture of your machine in the space below.**